11.1210(P0980)

1	MULTI-PIXEL AND MULTI-COLUMN ELECTRON EMISSION
2	INSPECTOR
3	
4	
5	Abstract of the Disclosure
6	
7	One embodiment disclosed pertains to an inspection system for
8	inspecting a specimen. The system includes a plurality of columns for directing a
9	plurality of multi-pixel incident beams onto a plurality of multiple-pixel regions of the
10	specimen. Impingement of said incident beams causes emission of electrons from
11	the regions. The system further includes a plurality of multiple-pixel electron
12	detectors, each said detector configured to detect in parallel electrons emitted from
13	plurality of pixels in one of the regions, and a plurality of processing sub-systems.
14	Each said sub-system is configured to process data from one of said detectors.
15	Advantageously, throughput for an inspection system in accordance with an
16	embodiment of the invention may be increased by approximately a factor of N,
17	where N is the number of columns in the system.